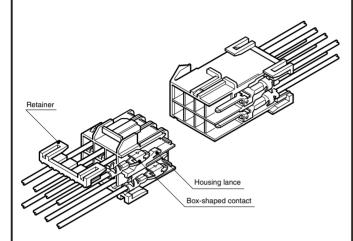


5.0mm pitch/Disconnectable Crimp style Wire-to-wire connectors



ZL connectors are reliable, smoothly mating wire-to-wire connectors.

- Housing lances
- Retainer
- Box-shaped contacts
- Mountable on a variety of panels

Specifications -

Current rating: 10A AC, DC max.
Voltage rating: 300V AC, DC max.
Temperature range: -25°C to +90°C

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/7m Ω max.

After environmental testing/10m Ω max.

• Insulation resistance: 1,000M Ω min. • Withstanding voltage: 1,500V AC/minute

 Applicable wire: AWG #26 to #16 0.13 to 1.25mm²

• Applicable panel thickness: 0.7 to 2.4mm

* Compliant with RoHS.

- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

Note: The current rating varies depending on the number of circuits and the wire size used in each connector.

The table below lists the current rating as a function of the number of circuits and wire size.

Current unit: A

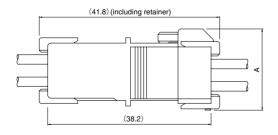
Circuits	Wire size (AWG)							
	#16	#18	#20	#22	#24	#26		
2	10	6	5	4	3	2		
4	9	5	4	3	3	2		
6	8	4	3	3	2	2		
8	6	4	3	3	2	2		
12	6	4	3	3	2	2		
16	5	3	2	2	1	1		

Standards -

Recognized E60389

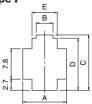
⊕ Certified LR20812

Panel layout and Assembly layout

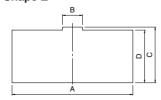


Circuits	Dimensions A (mm)		
2 • 4	18.2		
6 • 8 • 12 • 16	17.5		

Shape I



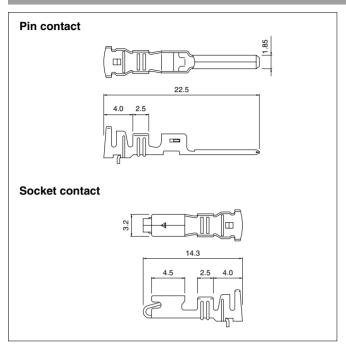
Shape II



	Circuits	Receptacle	Panel hole	Panel hole	Applicable panel				
Circuits	housing	shape	Α	В	С	D	Е	thickness (mm)	
	2	ZLR-02V	I	11.5	4.4	13.95	13.2	6.5	
	4	ZLR-04V	I	16.5	5.2	13.95	13.2	11.6	
	6	ZLR-06V	П	21.5	5.2	13.95	13.2	_	0.7~2.4
	8	ZLR-08V	П	26.5	5.2	13.95	13.2	_	0.7 2.4
	12	ZLR-12V	П	36.5	5.2	13.95	13.2	_	
	16	ZLR-16V	П	46.5	5.2	13.95	13.2	_	

- Note: 1. Punch holes in the panel according to the figures and table shown above. Burrs must be removed.
 - 2. The strength of the panel must be considered when punching two or more holes.
 - 3. The connector must be inserted from the same side as the hole is punched.

Contact



Mode	el No.	Applica	ble wire	Inculation O.D.	Q´ty /	
Pin contact	Socket contact	mm²	AWG #	Insulation O.D. (mm)	reel	
SZM-01T-P0.7	SZF-01T-P0.7	0.13~0.5	26~ 20	1.3~2.7		
07M 44T D0 7	075 447 00 7	0.75~1.25	18~16	1.9~3.1	3,000	
SZM-41T-P0.7	SZF-41T-P0.7	0.3+0.3~ 0.5+0.5	22+22~ 20+20	1.7+1.7~ 2.0+2.0		

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

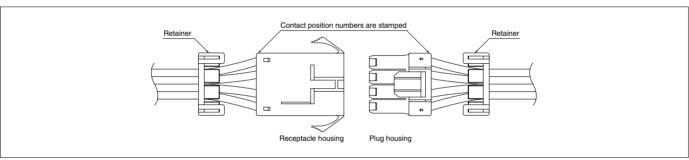
RoHS compliance

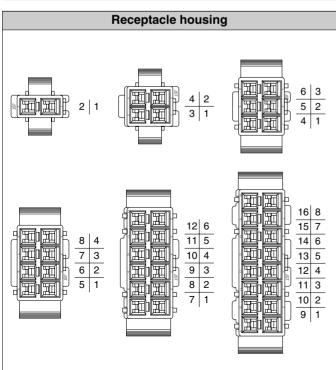
Note: 1. Contact JST for special products.

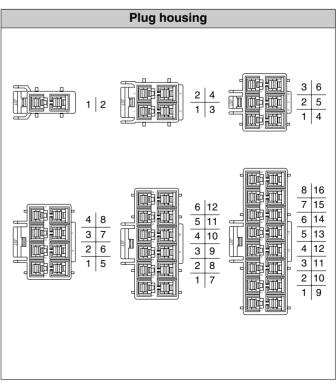
2. Contact JST for brass products.

Contact	Crimping	Applicator				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
SZM-01T-P0.7	AP-K2N	MKS-L	MK/SZF/M-01-07	APLMK SZF/M01-07		
SZF-01T-P0.7		_	_	_		
SZM-41T-P0.7		MKS-L	MK/SZF/M-41-07	APLMK SZF/M41-07		
SZF -41T-P0.7		_	_	_		

Contact position location numbers







Contact

Material: Housing...PA 6, UL94V-0, white Retainer...Glass-filled PA 66, UL94V-0, ivory

Circuits	Voltage rating	Current rating	Receptacle housing(for pin contact)		Plug housing(for socket contact	t)	Retainer	
			ZLR-02V	Q'ty / bag	ZLP-02V	Q'ty / bag	ZLS-02V (Used with both housings with 2 and 4 circuits)	Q'ty / bag
2	300V	10A	29.7	500	12.4 18.2 21.0	500	and 4 circuits)	
			ZLR-04V	Q'ty / bag	ZLP-04V	Q'ty / bag	6.4 8.8	1,000
4	300V	9 A	29.7	500	12.4 21.0	500		
			ZLR-06V	Q'ty / bag	ZLP-06V	Q'ty / bag	ZLS-03V	Q'ty / bag
6	300V	8A	29.7	500	12.4 17.5 21.0	500	3.3 8.8	1,000
			ZLR-08V	Q'ty / bag	ZLP-08V	Q'ty / bag	ZLS-08V	Q'ty / bag
8	300V	6 A	29.7	500	12.4 17.5 21.0	500	3.3	1,000

RoHS compliance

Contact

Material: Housing...PA 6, UL94V-0, white Retainer...Glass-filled PA 66, UL94V-0, ivory

Circuits	Voltage rating	Current rating	Receptacle housing(for pin contact)		Plug housing(for socket contact)		Retainer	
			ZLR-12V	Q'ty / bag	ZLP-12V	Q'ty / bag	ZLS-12V	Q'ty / bag
12	300V	6A	29.7	200	12.4 17.5 21.0	200	3.3	1,000
			ZLR-16V	Q'ty / bag	ZLP-16V	Q'ty / bag	ZLS-16V	Q'ty / bag
16	300V	5A	29.7	200	12.4 17.5 21.0	200	3.3 8.8 8.8	1,000

RoHS compliance

Note: 1. ZL connectors with any number of circuits can be used either panel mounted or free hanging. See "Panel layout" for the panel dimensions.

2. Contact JST for special products.